



Fused Biconic WDM

Lightem's Fused Biconic wavelength Divison Multiplexer (FB WDM) can effectively combine and separate single mode signals at two wavelength ranges. It is available in a variety of wavelength ranges (1310/1550,1064/1310,1310/1480, 980/1550 nm). Based on the proven Fused Biconic Taper (FBT) technology, these multiplexers provide broad operating wavelengths and low insertion loss. All our WDMs are available with bare fibers,0.9mm tubes, 2mm or 3mm loose tubes with different connectors.

Features

- Low Insertion Loss
- High Return Loss
- Compact Size

Specifications

| Center Wavelength | 1310/1550 | 1060/1310 | 1310/1480 | 980/1550 | Unit |
|-----------------------------|-----------|-----------|---------------|----------|------|
| Operating Waveband | ±15 | ±5 | ±5 | ±10 | nm |
| Typ.Insertion Loss | ≤ 0.2 | ≤ 0.3 | ≤ 0.3 | ≤ 0.1 | dB |
| Max.Insertion Loss | ≤ 0.4 | ≤ 0.5 | ≤ 0.5 | ≤ 0.2 | dB |
| Polarization Dependent Loss | ≤ 0.1 | ≤ 0.1 | ≤ 0.25 | ≤ 0.1 | dB |
| Isolation Room Temperature | ≥ 17 | ≥ 16 | ≥ 15 | ≥ 18 | dB |
| Return Loss | | | ≥ 55 | | dB |
| Power Handling | | | ≤ 500 | | mW |
| Pigtail Type | SM | SM | SM | HI980/SM | / |
| Operating Temperature | | | -40-85 | | °C |
| Storage Temperature | | | -40-85 | | °C |
| Package Dimension | | | 3*40/45/54/60 | | mm |

Note: Specifications without connectors

Ordering information

* Ordering Code Example

